

Technical Data Sheet

Soda Ash Dense · CAS 497-19-8 · Na_2CO_3

TECHNICAL DATA SHEET (DRAFT) - SODA ASH DENSE

1. Product Description

Soda Ash Dense is an anhydrous, granular sodium carbonate produced via the Solvay process or refined from natural Trona ore. It is characterized by its high bulk density and low dust content.

2. Physical and Chemical Properties

- Molecular Formula: Na_2CO_3
- CAS Number: 497-19-8
- Appearance: White Granular Solid
- Bulk Density: 0.90 – 1.20 g/cm³
- Melting Point: 851°C

3. Typical Specifications

- Na_2CO_3 (Assay): 99.2% Min
- NaCl (Chloride Content): 0.7% Max
- Fe_2O_3 (Iron Content): 0.003% Max (30 ppm)
- Na_2SO_4 (Sulfate Content): 0.03% Max
- Water Insolubles: 0.03% Max
- LOI (Loss on Ignition): 0.5% Max

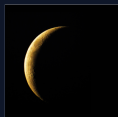
4. Particle Size Distribution (Typical)

- >1.00 mm: 5% Max
- <0.15 mm: 5% Max

5. Storage and Shelf Life

When stored under optimal dry conditions, the product has a shelf life of 24 months from the date of manufacture.

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